

Seq List2.ST25.txt  
SEQUENCE LISTING

<110> Coronella-Wood, Julia

<120> Antibody Fab Fragments Specific for Breast Cancer

<130> 5051.057

<150> US 60/423,052

<151> 2002-10-31

<160> 6

<170> PatentIn version 3.2

<210> 1

<211> 1405

<212> DNA

<213> Homo sapiens

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40

cagtggcagt ggatcaggca cagattatac actgaaaatc agcagagtgg aggctgagga 3  
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tgttggtt tattactgca tgcaaggctct acaaactcct aggaccttcg gccaaaggac 3  
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acgactggag attaaacgaa ctgtggctgc accatctgtc ttcatcttcc cgccatctga 4  
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Seq List2.ST25.txt

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gaattcactc tcaccatcag cagtctgcaa cctgaagatt ttgcaactta ctactgtcaa 3  
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gagagttacc gtatcaacttc cctcaacttc ggcggaggga ccaagggtgga gaccagacg 3  
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actgtggctg caccatctgt cttcatcttc cgcgcattctg atgagcagtt gaaatctgga 4  
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actgcctctg ttgtgtgcct gctgaataac ttctatccca gagaggccaa agtacagtgg 4  
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aagggtggata acgccctcca atcgggtaac tcccaggaga gtgtcacaga gcaggacagc 5  
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aaggacagca cctacagcct cagcagcacc ctgacgctga gcaaagcaga ctacgagaaa 6  
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cacaaagtct acgcctgcga agtcacccat cagggcctga gttgcccgt cacaaagagc 6  
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gtgcagctgg tgcagtctgg gggaggctta gttcagcctg gggggccct gagactctcc 8  
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Seq List2.ST25.txt

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<220>  
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<400> 3

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Ser	Leu	Arg	Leu	Ser	Cys	Glu	Ala	Ser	Gly	Tyr	Thr	Phe	Ser	Asn	Tyr
20															

Seq List2.ST25.txt

Trp Met His Trp Val Arg Gln Pro Pro Gly Lys Gly Leu Val Trp Val  
35 40 45

Ser Arg Ile Asn Glu Asp Gly Ser Ile Thr Asn Asp Ala Asp Ser Val  
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Lys Gly Arg Ser Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr  
65 70 75 80

Leu Glu Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
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Thr Arg Asp Ile Gly Gly Arg Asp Ala His Trp Gly Gln Gly Thr Leu  
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Val Thr Val Ser Ser Xaa  
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<210> 4  
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<212> PRT  
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Asn Gly Tyr Asn Tyr Leu Asp Trp Tyr Leu Gln Lys Pro Gly Gln Ser  
35 40 45

Pro Gln Leu Leu Ile Tyr Leu Gly Phe Asn Arg Ala Ser Gly Val Pro  
50 55 60

Seq List2.ST25.txt

Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr Leu Lys Ile  
65 70 75 80

Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Met Gln Gly  
85 90 95

Leu Gln Thr Pro Arg Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys  
100 105 110

Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu  
115 120 125

Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe  
130 135 140

Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln  
145 150 155 160

Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser  
165 170 175

Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu  
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Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Leu  
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Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys  
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Seq List2.ST25.txt

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Gly Gly Ser Leu Arg Leu Ser Cys Thr Ala Ser Gly Phe Ile Phe Asn  
20 25 30

Asn Tyr Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu  
35 40 45

Trp Val Ser Gly Ile Ser Thr Gly Gly Ser Ser Thr Tyr His Ala Asp  
50 55 60

Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Phe Lys Lys Thr  
65 70 75 80

Leu Trp Leu Gln Met Asn Ser Leu Thr Pro Glu Asp Ala Ala Val Tyr  
85 90 95

Tyr Cys Ala Arg His Ala Asn Phe Trp Asn Gly Tyr Leu Glu Lys Gly  
100 105 110

Ala Ile Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala  
115 120 125

Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys Ser  
130 135 140

Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe  
145 150 155 160

Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly  
165 170 175

Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu  
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Seq List2.ST25.txt

Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr  
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Ile Cys Asn Val Asn His Lys Pro Gly  
210 215

<210> 6  
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<212> PRT  
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Asp Arg Val Thr Ile Thr Cys Arg Ala Ser His Ser Val Ser Gly Trp  
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ser  
35 40 45

Tyr Glu Pro Ser Ser Leu Glu Ser Gly Val Pro Ser Arg Phe Ser Gly  
50 55 60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro  
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Glu Ser Tyr Arg Ile Thr Ser  
85 90 95

Leu Thr Phe Gly Gly Thr Lys Val Glu Thr Arg Arg Thr Val Ala  
100 105 110

Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser  
115 120 125

Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu

Seq List2.ST25.txt

130

135

140

Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser  
145 150 155 160

Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu  
165 170 175

Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val  
180 185 190

Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Leu Pro Val Thr Lys  
195 200 205

Ser Phe Asn Arg Gly Glu Cys  
210 215